

GNU/Linux For Cognitively Challenged – 0.1.2 : User Manual

This GNU/Linux distribution is aimed to provide an accessible desktop environment to the cognitively challenged people. For more details about the distribution please refer to Read Me. This document describes the various features of the distribution and their usage in detail.

Salient features :

Desktop is enhanced with following features to make the user comfortable to interact with the computer.

1. Simplified Desktop
2. Tagged File System
3. Activity List
4. Reminder Application

The section below describes the above stated features and how to use the applications.

Simplified Desktop :

Desktop has been simplified to contain minimum number of items and menu options. Few icons have been put on the desktop which can most frequently be used by the user. The purpose of providing the frequently used items & options to the user in less number is to prevent him/her from being distracted by so many options on the desktop. The icon size is also enlarged to obtain the user attention.

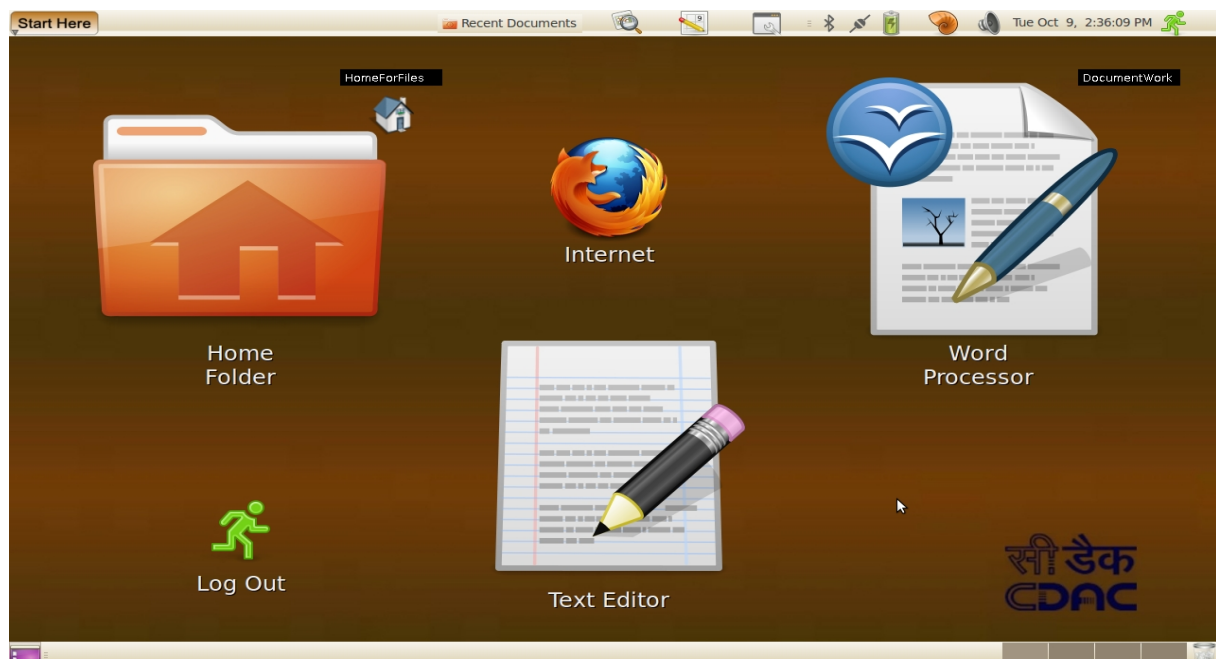


Fig.1.1 : Simplified Desktop

The Home folder has been kept on the desktop. This is the folder where all user related files are saved. To make these files easily accessible to the user, home folder icon has been kept on the desktop.

OpenOffice.org applications like Word Processor, Presentation, Spreadsheet have also been simplified to keep minimum number of items and options in the menus.

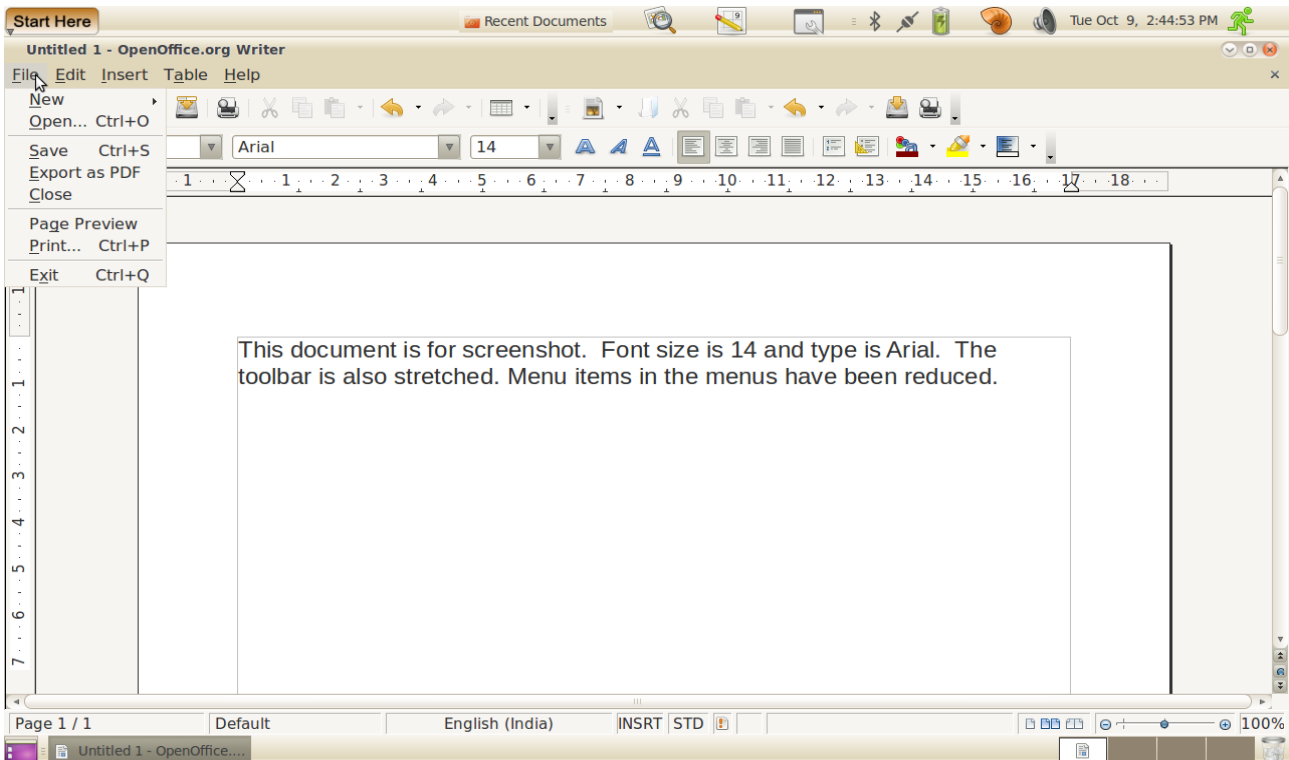


Fig.1.2 : Simplified OpenOffice.org Word Processor

Tagged File System:

About Tagged File System:

To help the users with forgetful nature, the tagged file system feature is incorporated with desktop. The tagged file system provides meaningful labels (textual as well as image) to the files and folders. A tag (text and/or image) is a type of label that can be associated with a file/folder at the time of its creation and saving. Also, tag(s) can be associated with existing files/folders by using “Set Tag” option on right click context menu of that item.

A user can also perform tag based searching. This tag based searching can help the user in many ways. A major benefit of this feature is if the user doesn't remember where he has

saved his file, he can search the file by clicking on the relevant tag on the left side pane of the file browser. One can control the tag setting application using Tag Control Center . You can go through the user manual about its use.

How To Use Tag Setting Application:

Tag Setting :

Whenever new file is created or saved, a tag setting window is popped up automatically as shown in fig. 2.1. The Tag Setting window is shown in fig. 2.2.

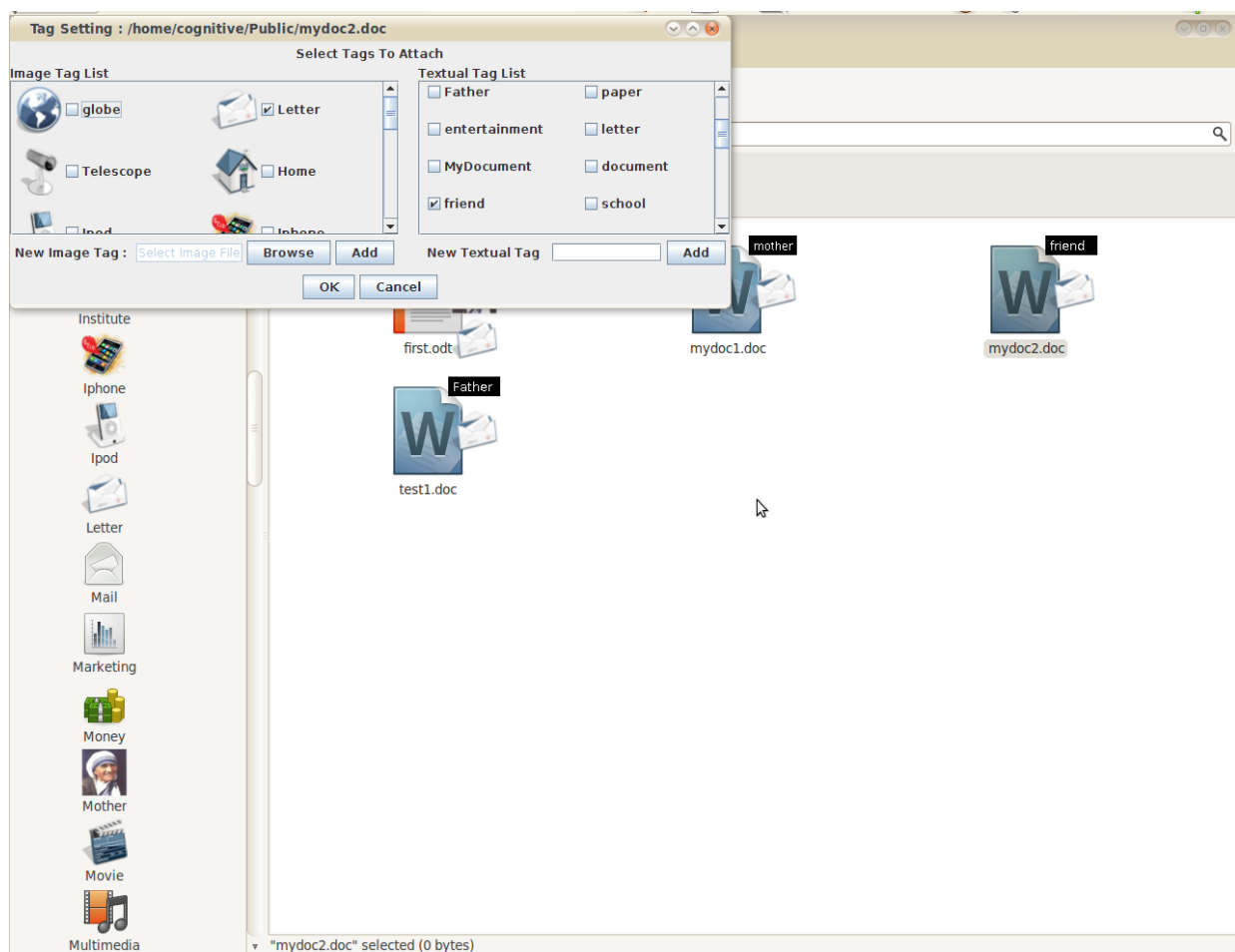


Fig.2.1 : Tag Setting Window on new file creation

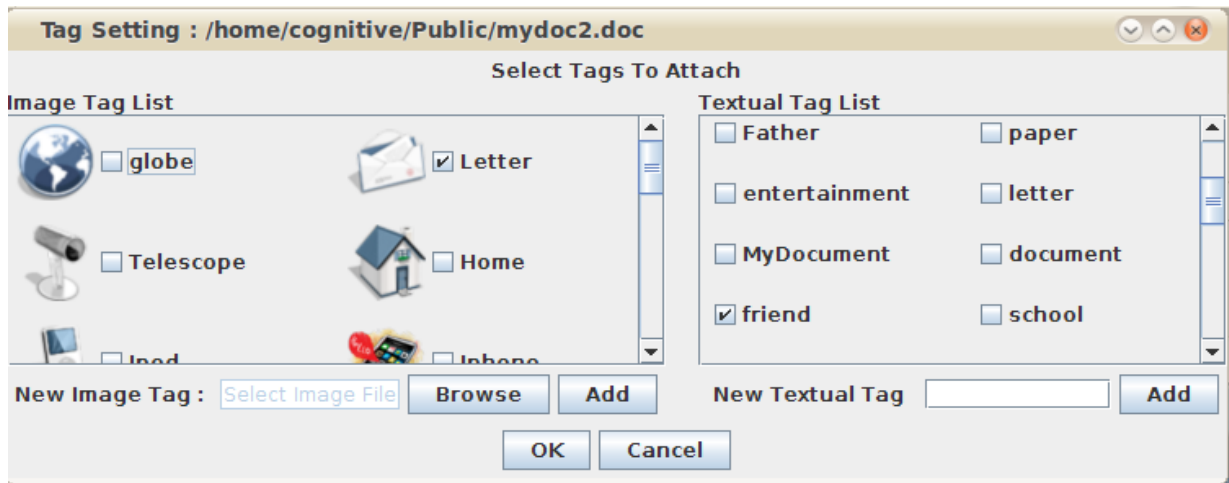


Fig. 2.2 : Tag Setting Window

- After the Tag Setting window is opened, user can select tags (image/text) available in the window to attach those tags to the file.
- User can also attach his own tag(s) using new image tag and new textual tag option in the tag setting window.
- At present user is allowed to attach maximum of 4 tags with any file.
- User can add new image tag by browsing and adding new image.

Tags can also be set for already existing files/folders by using right click context menu on the file icon and then selecting "Set Tag" option from the context menu as shown in the following figure (fig. 2.3)

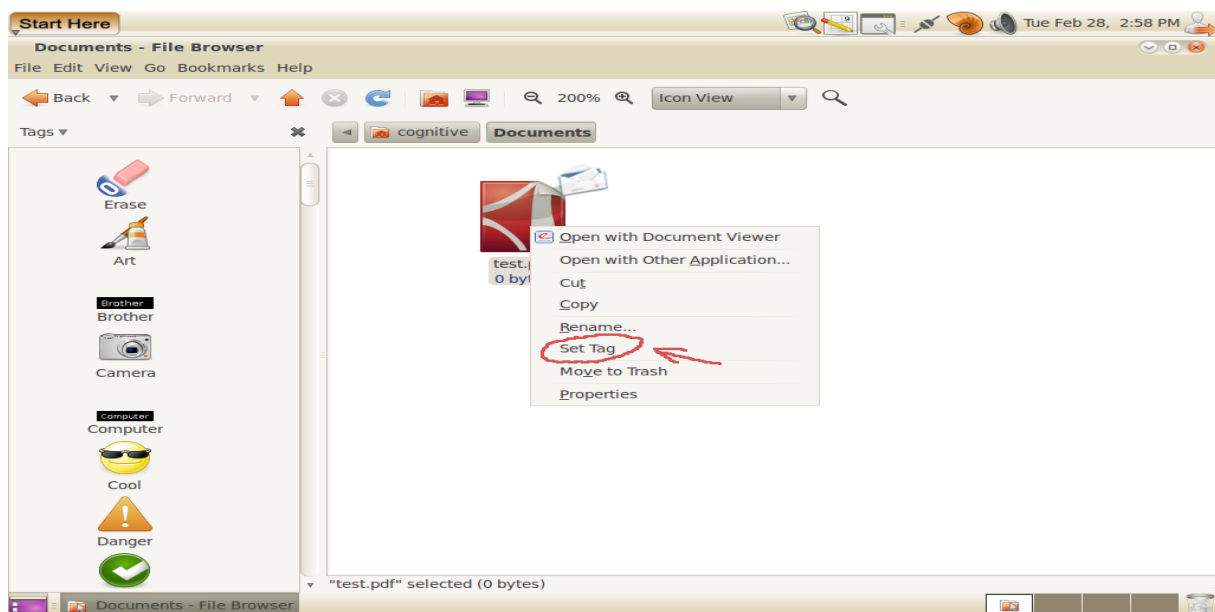


Fig. 2.3 : Set Tag in the right click context menu

The same window as in Fig.2.2 will be opened and the further steps are same as described above.

Adding new image as a tag :

We can add the new image as a tag to the file. The process of adding a new image tag (please refer to the Fig. 2.5 and Fig. 2.6) is given below:

1. When tag setting window appears (it will appear either by using 'Set Tag' option on mouse right click over a file or by creating a new file), click on browse button.
2. Using 'Browse' button, browse to the folder where the target image is kept.
3. Select the image file.
4. Click 'Open'.
5. Then click 'Add' button, which is just beside the 'Browse' button.
6. A window will be opened, asking name for the image tag. Enter a name for that image tag (the name should not contain any space within it) and then press OK. You can visualize that the image is appeared with the given name in the image tag list.
7. Press OK button of Tag Setting window.
8. After pressing OK button, new image tag will appear over the file.

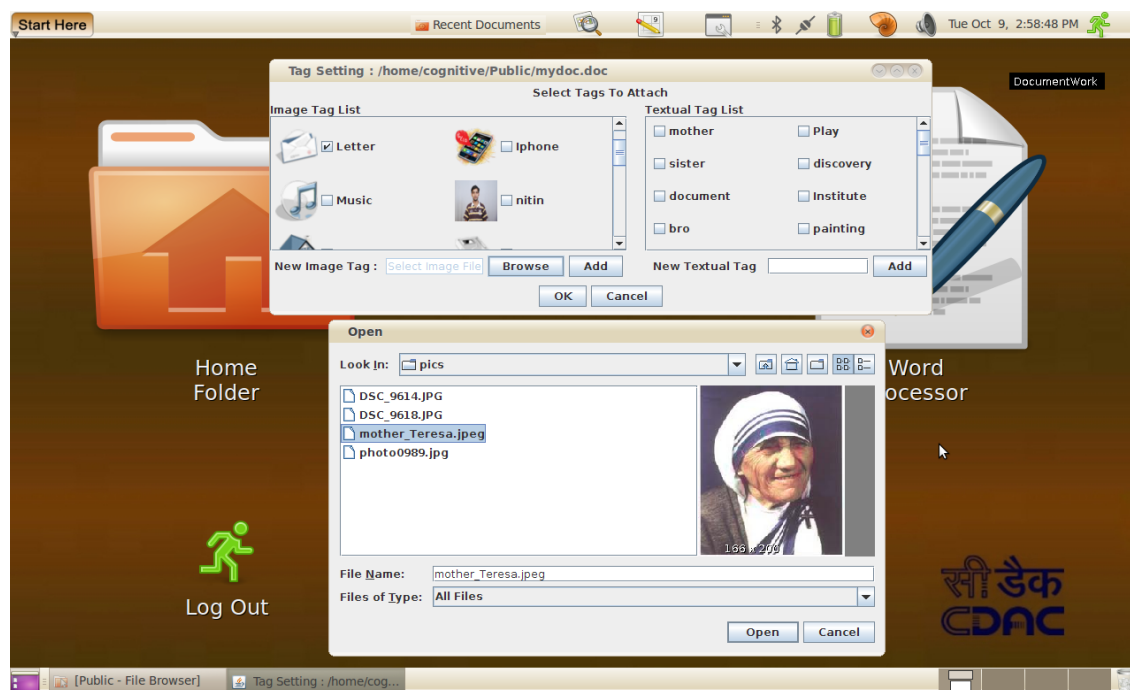


Fig. 2.5 : Browsing and adding new image tag

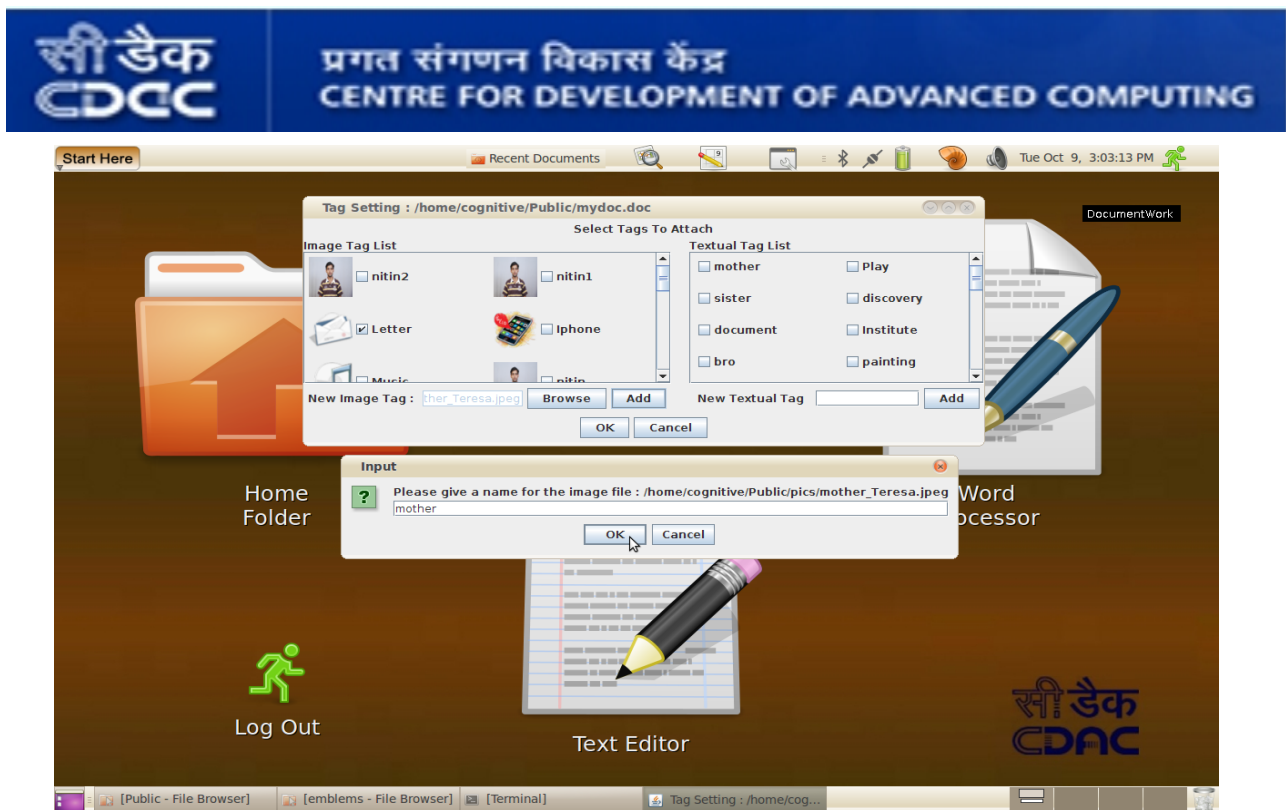


Fig. 2.6 : Providing name to the image tag

Searching By Tag:

- Any file can be searched using the tag attached to that file.
- At first user will have to open the file browser. If the file browser is not opened, user can click on the Tag Based Search launcher on the top panel of the desktop (shown in the green circle in the following fig. 3.1)

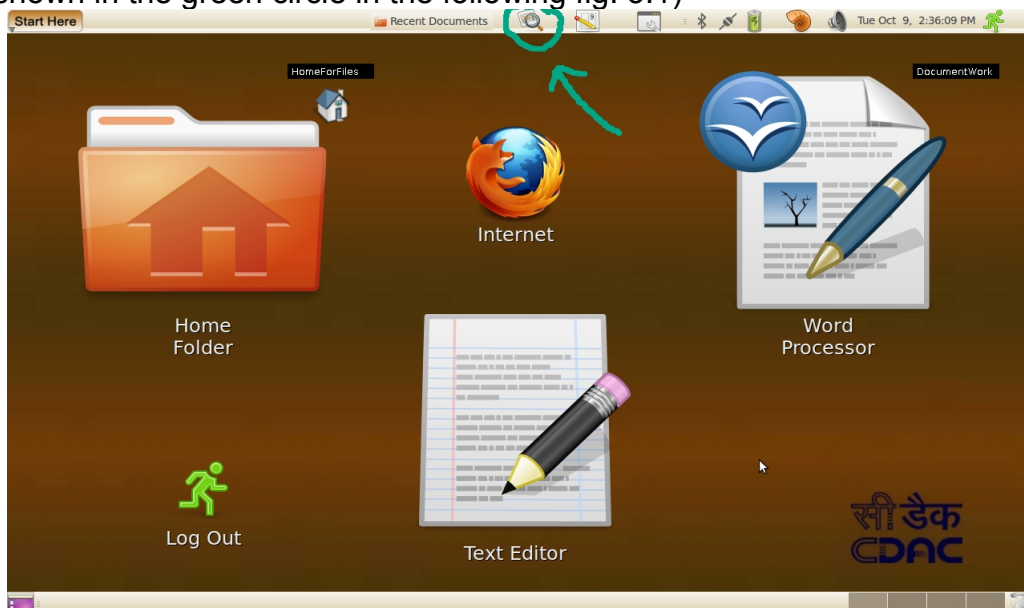


Fig. 3.1 : Tag Based Search launcher

- Please make sure that in the file browser you have selected the “Tags” option from the left side panel pop up menu. In the following fig. 3.2, it has been shown by red circle.
- Then click on the tag of interest appearing in the left side pane on which searching is to be done. Here in fig.3.2 a search is done on “letter” image tag by clicking on it. The “letter” image tag has been shown by the green circle in the fig. 3.2.
- Then all the files related to that “letter” image tag will appear as search result as shown in fig.3.2

In the fig.3.2, all files related to 'letter' image tag appeared after clicking the 'letter' image tag on left side panel.

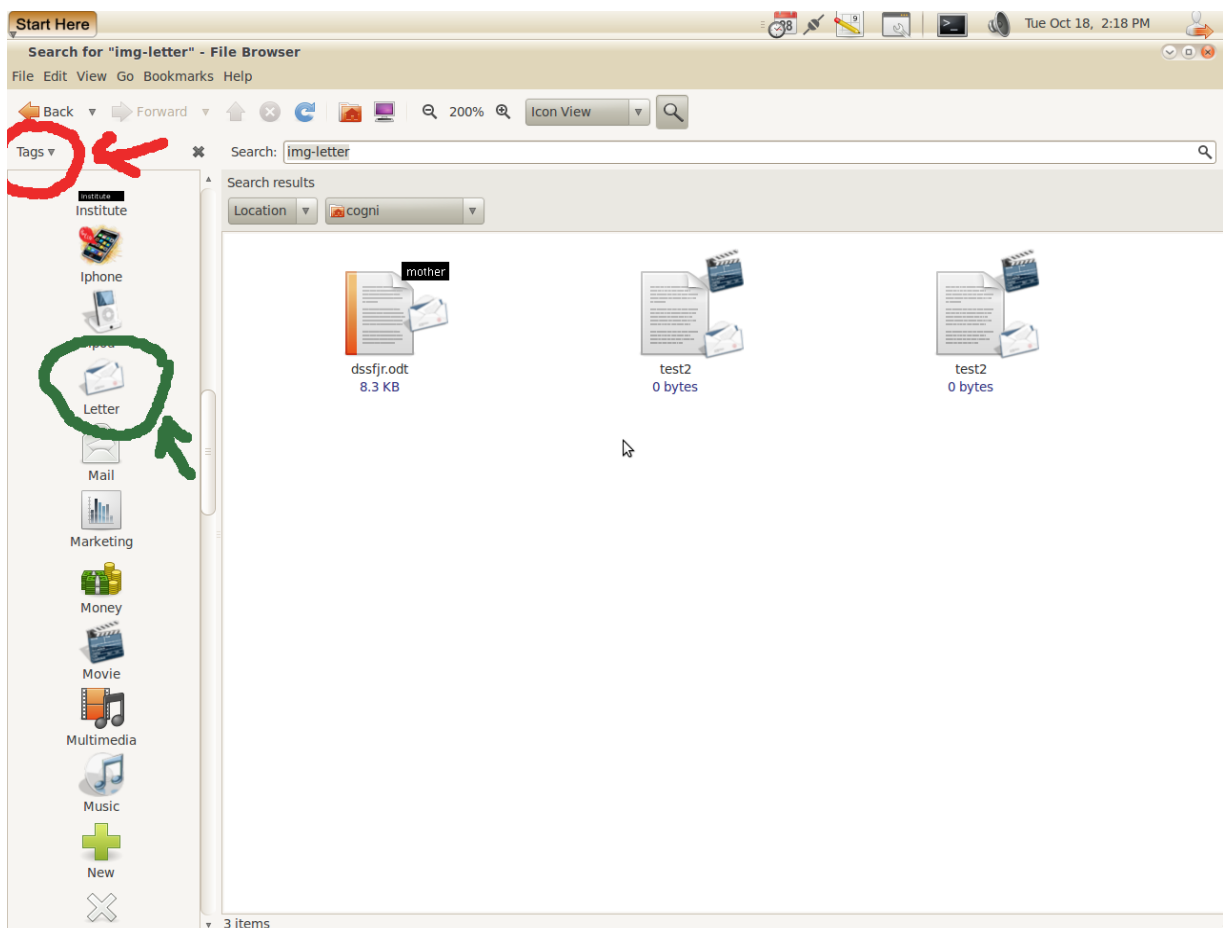


Fig.3.2 : Searching by Tags

Tag Control Center :

We can control the tag setting application by using Tag Control Center. Here in the following figure (fig. 4.1), the launcher icon of tag control center has been shown in red circle. Just click the tag control center launcher icon and a window will pop up, using which one can control the tag setting application. The complete view of Tag Control Center window has been shown in fig. 4.2.

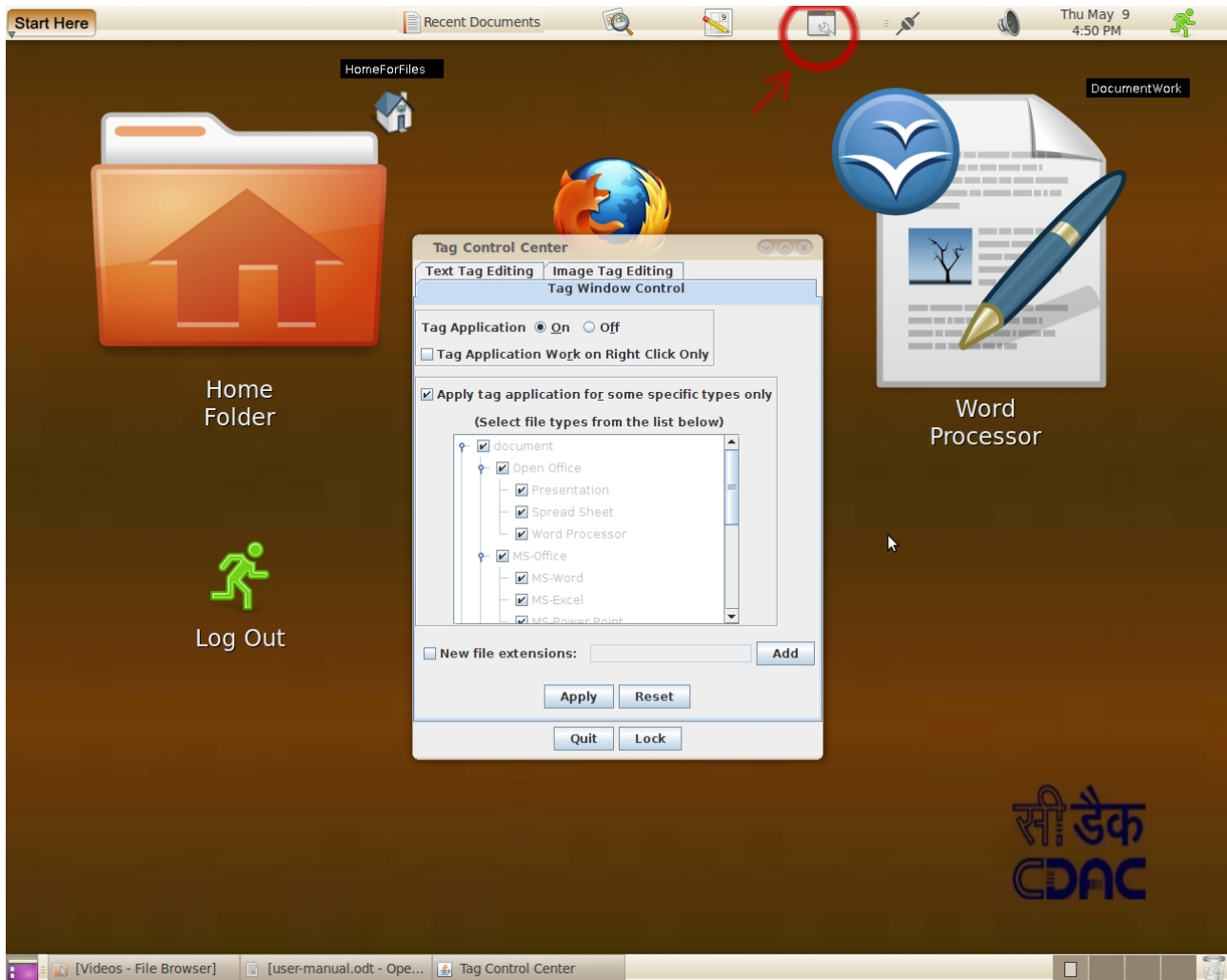


Fig. 4.1 : Tag Control Center

The tag setting window can be prevented from being opened on any new file creation by just selecting “off” option in the Tag Control Center window (fig. 4.2). It can also be set that the tag setting window to be opened only on some particular type of files by selecting various file types under the option “Apply tag application for some specific types only”. A user can also edit and delete any tag (textual or image) by using tag control center's Image Tag Editing and Text Tag Editing features. Some of the screenshots of Tag Control Center have been shown below.

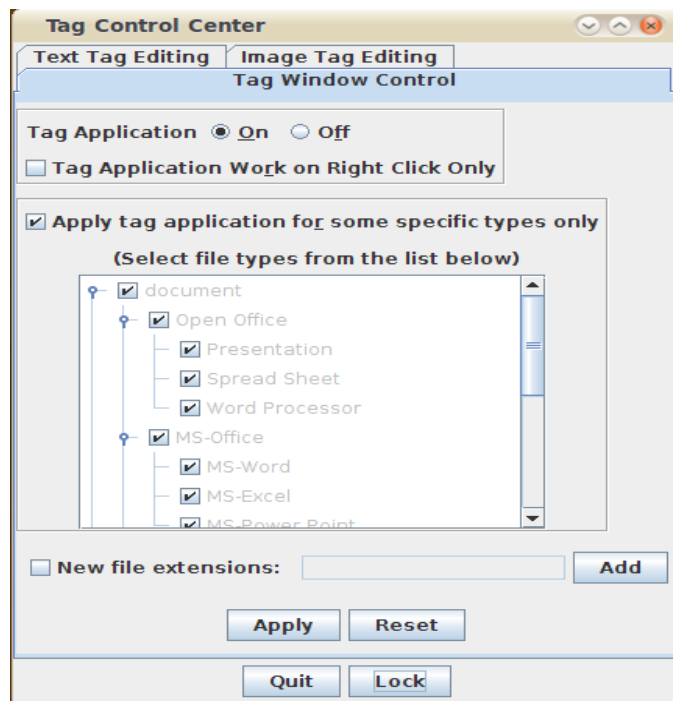


Fig. 4.2 : Tag Control Center Window

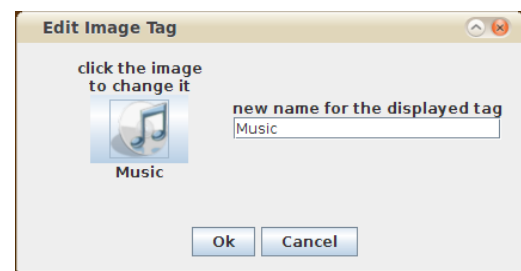
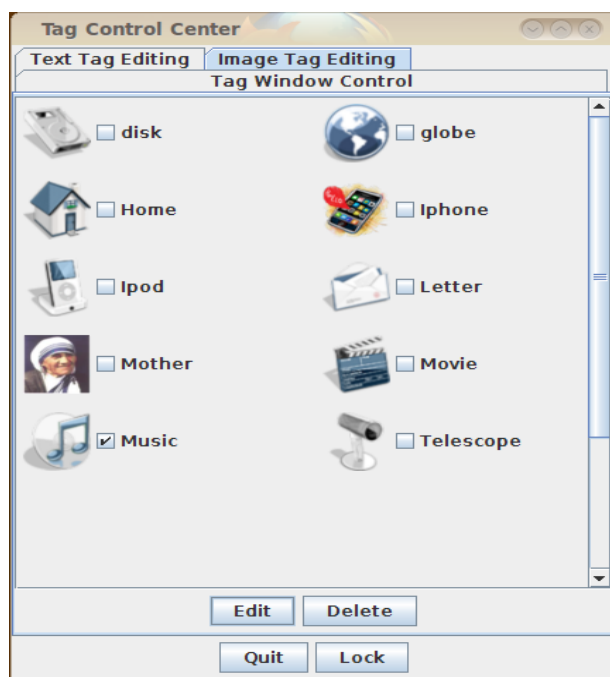


Fig. 4.3: Image Tag Editing

Steps to edit image tag:

1. Open tag control center by clicking the tag control center launcher icon on the top panel of the desktop (please see fig. 4.1).
2. Go to 'Image Tag Editing' tab (shown in fig. 4.3).
3. Select the image tag check box which you want to edit.
4. Click the edit button.
5. An “Edit Image Tag” dialog will be opened (shown in fig. 4.3).
6. To change the image, click the image icon in the “Edit Image Tag” dialog. Select the target image by browsing.
7. If you want to change the name, give new name in the text box labeled with “new name for displayed tag”.
8. Click 'OK' button.

Steps to delete image tag:

1. Open tag control center by clicking the tag control center launcher icon on the top panel of the desktop (please see fig. 4.1).
2. Go to the 'Image Tag Editing' tab (shown in fig. 4.3).
3. Select the image tag check box which you want to delete.
4. Click the 'Delete' button.

Steps to edit textual tag:

1. Open tag control center by clicking the tag control center launcher icon on the top panel of the desktop (please see fig. 4.1).
2. Go to 'Text Tag Editing' tab.
3. Select the textual tag check box which you want to edit.
4. Click the edit button.
5. An “Tag Editing” dialog will be opened (shown in fig. 4.4).
6. To change the name, give new name in the text box labeled with “Enter new name for the tag”.
7. Click 'OK' button.

Steps to delete textual tag:

1. Open tag control center by clicking the tag control center launcher icon on the top panel of the desktop (please see fig. 4.1).
2. Go to the 'Text Tag Editing' tab (fig. 4.4).
3. Select the textual tag check box which you want to delete.
4. Click the 'Delete' button.

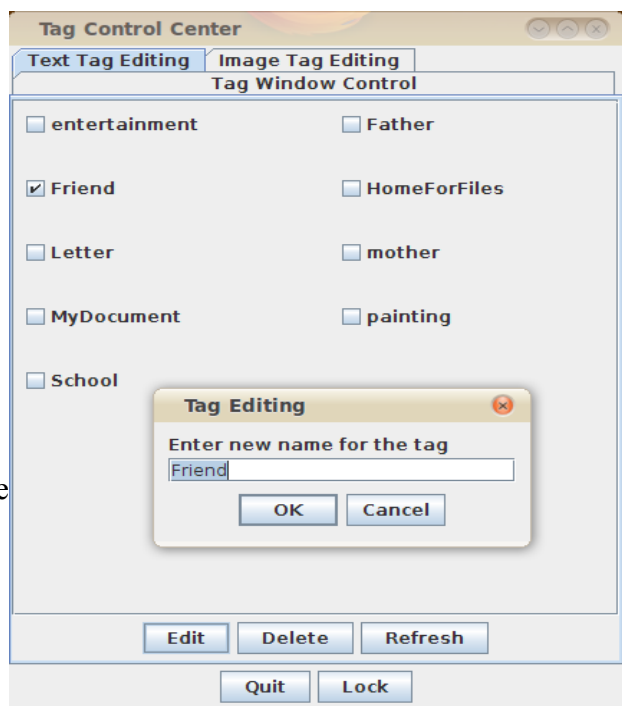


Fig. 4.4: Textual Tag Editing

Activity List:

About Activity List:

Activities performed by user can be listed using the Activity list application. These activities include operations like creation of a new file, deletion of a file, modification in file content and renaming of a file. This is helpful for the user as well as the caretaker to remember or checkout what operations user had performed on a particular date.

How to Use :

- To view activity list, click on Activity-List Icon at the top panel of the desktop. Here in the following figure (fig. 5.1), the icon has been shown in red circle.

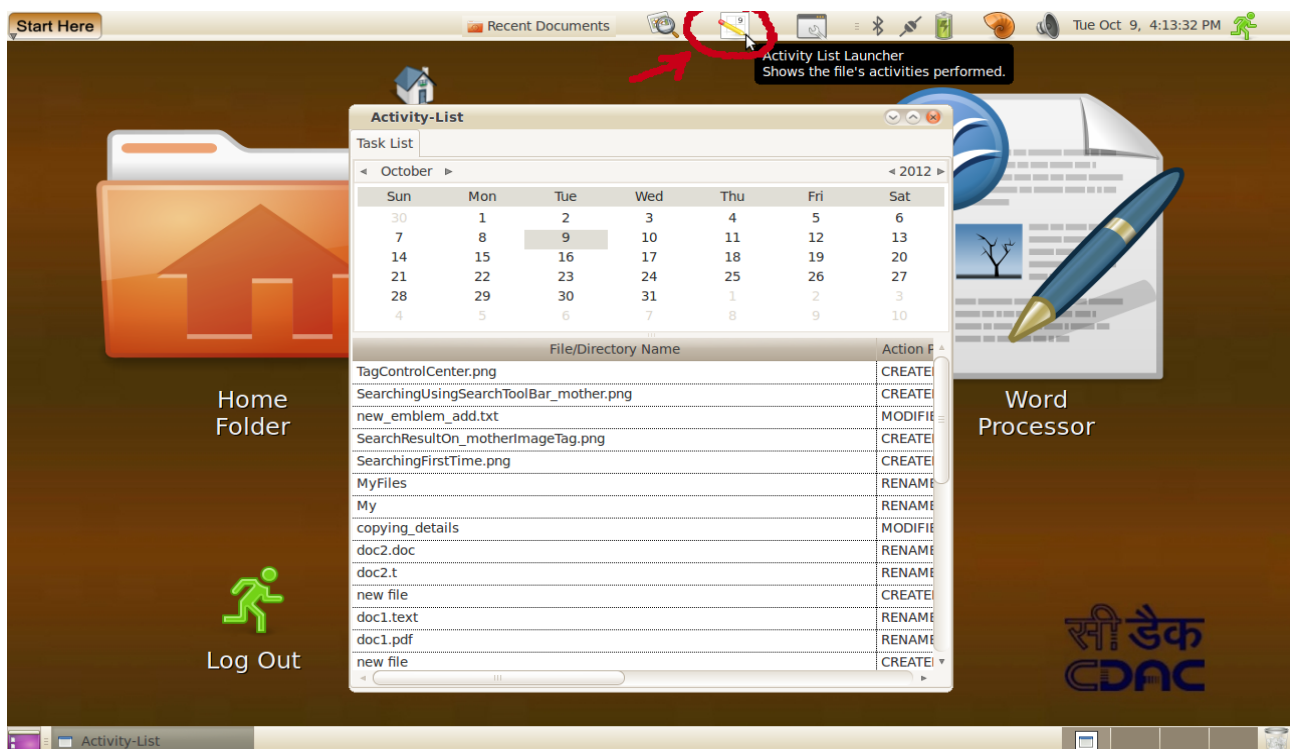


Fig. 5.1 : Activity List

- By default, Activity-List will display all the activities related to files/folders of current day.
- Activity-List displays information such as File/Folder Name, Action Performed, Location and Remark.
- User can click on any calendar date to see activities performed on that day as shown in fig. 5.2.

Activity-List						
Task List						
◀ September ▶				◀ 2010 ▶		
Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9
Activity List						
File/Directory Name	Action Performed	Location		Remark		
letter.odt	MOVED TO	/home/meena/Desktop/demo/test/		File moved From		
letter.odt	MODIFIED	/home/meena/Desktop/demo/		File Modified		
letter.odt	CREATED	/home/meena/Desktop/demo/		New file create		
salaryreport.ods	DELETED	/home/meena/Desktop/demo/		File Deleted		
demo-accessibilty	RENAMED	/home/meena/Desktop/demo/		Previous file na		
demo-presentation	RENAMED	/home/meena/Desktop/demo/		Previous file na		
untitled folder 2	CREATED	/home/meena/Desktop/demo/		New directory		
salaryreport.ods	MODIFIED	/home/meena/Desktop/demo/		File Modified		
salaryreport.ods	CREATED	/home/meena/Desktop/demo/		New file create		
accessibility.odt	MODIFIED	/home/meena/Desktop/demo/		File Modified		
accessibility.odt	CREATED	/home/meena/Desktop/demo/		New file create		

Fig. 5.2 : Viewing activities of a particular day

Reminder Application :

About Reminder Application :

The reminder application is customized for cognitively challenged users. The application is enhanced for more user friendly interface. Reminders can be set for the user on once or daily basis by the caretakers or user himself.

How To Use :

- To start Reminder application, go to 'Start Here' main menu. From that menu select 'Reminder' (Fig. 6.1). Clicking on that will launch reminder application.

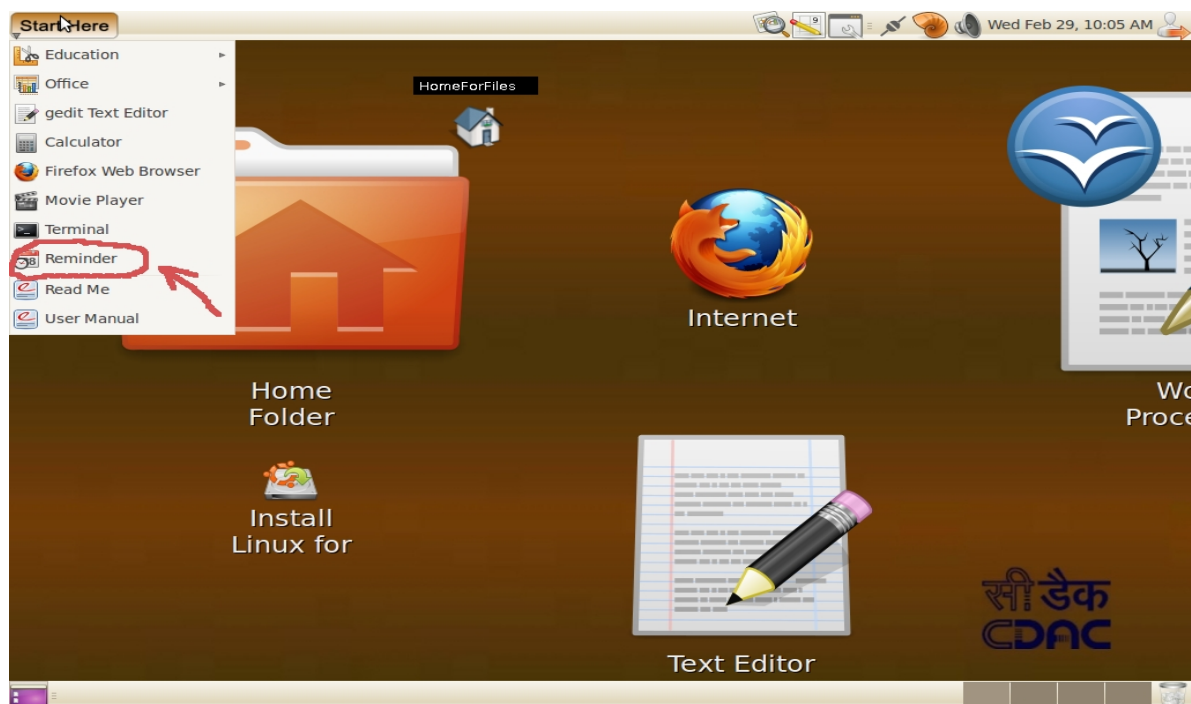


Fig. 6.1 : Starting Reminder Application

NOTE : You must always activate the reminder application by selecting it from the 'Start Here' main menu list after log in, each and every time.

- After selecting the 'Reminder' in the 'Start Here' main menu, a reminder setting icon will be appeared on the top panel of the desktop. In the following figure (fig. 6.2), it has been kept in the red circle. Just click that icon and a new reminder setting window will be opened.

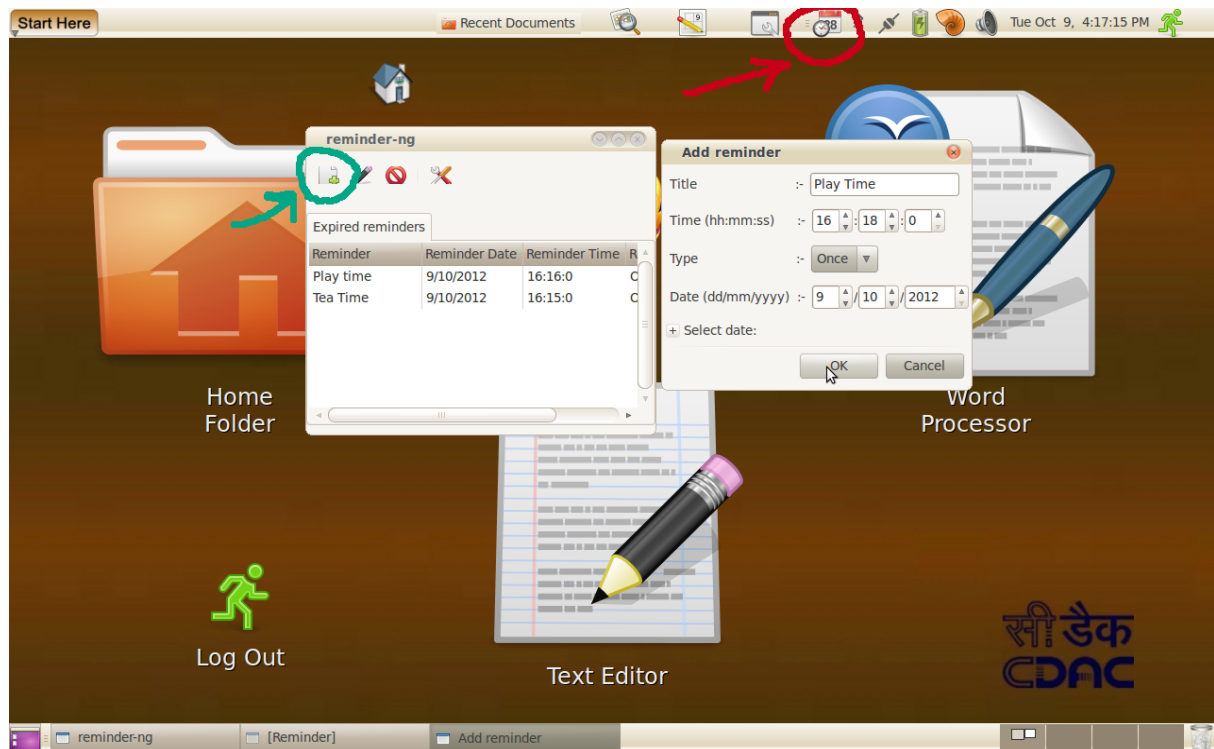


Fig. 6.2 : New Reminder Setting Window

- To add new reminder click on Add new reminder icon (shown in green circle in the above figure i.e. fig. 6.2).
- After clicking you will get a new window to enter details about new reminder as shown in fig.6.3.
- After providing all inputs (fig. 6.3), click Ok.

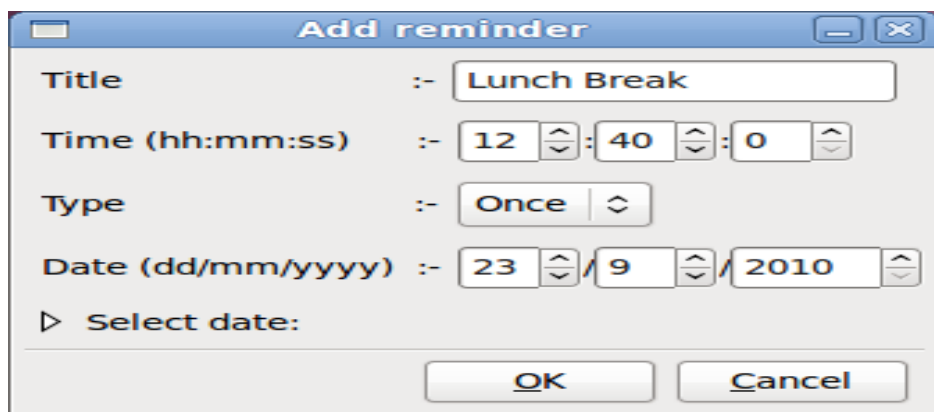


Fig. 6.3 :
Adding
New
Reminder

- After setting a reminder, when reminder time completes, reminder application will prompt an alarm message on screen (Fig. 6.4). It also speaks out the message.

Installation from Live CD :

Boot from live CD and it will take you through normal installation process.
For details please refer to installation manual

Contact Us :

For further query or assistance you can contact us through mail.

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URL: <http://www.cdacmumbai.in/accessibility>

<http://www.cdacmumbai.in/glcc>